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Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Serial No.	Group Art-Unit	Filing Date JUN 29 2001	Atty. Docket No. Le A 33 162
		Applicant(s)	IC18 Rec'd in PTO 29 JUN 2001 Maylyn Fitzgerald, et al.		
INFORMATION DISCLOSURE CITATION					

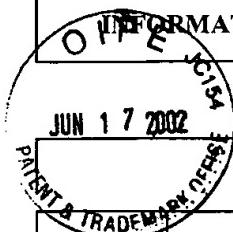
FOREIGN PATENT DOCUMENTS

EXAMINER		DATE CONSIDERED 4/3/03
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Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Serial No. 09/869,668	Group Art Unit 1614	Filing Date 01/02/2002	Atty. Docket No. Le A 32 162
SUPPLEMENTAL INFORMATION DISCLOSURE CITATION		Applicant(s) Fitzgerald, et al.		RECEIVED	
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U.S. PATENT DOCUMENTS

*	DOCUMENT NO.						DATE MM/DD/YY	NAME	CLASS	SUB-CLASS	FILING DATE IF APPROPRIATE

FOREIGN PATENT DOCUMENTS

*		DOCUMENT NO.						DATE DD/MM/YY	COUNTRY	PRIMARY CLASS	SUB- CLASS	TRANSLATION	
												YES	NO
<i>F1</i>	F1	9	6	1	5	0	9	6	23/05/96	wo 1	—	—	—
<i>F2</i>	F2	9	7	4	3	2	3	7	20/11/97	wo 2	—	—	—
<i>F3</i>	F3	9	7	4	3	2	3	8	20/11/97	wo 3	—	—	—
<i>F4</i>	F4	9	7	4	3	2	3	9	20/11/97	wo 4	—	—	—
<i>F5</i>	F5	9	7	4	3	2	4	0	20/11/97	wo 5	—	—	—
<i>F6</i>	F6	9	7	4	3	2	4	5	20/11/97	wo 6	—	—	—

U.S. PATENT DOCUMENTS

*		DOCUMENT NO.	DATE MM/DD/YY	NAME	CLASS	SUB-CLASS	FILING DATE IF APPROPRIATE

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)

<i>R1</i>	R1	Ito, A., Nagase, H., "Evidence That Human Rheumatoid Synovial Matrix Metalloproteinase 3 is an Endogenous Activator of Procollagenase", Arch. Biochem. Biophys., 267: 211-216 (1988)
<i>R2</i>	R2	Ogata, Y., Enghild, J., Nagase, H., "Matrix Metalloproteinase 3 (Stromelysin) Activates the Precursor for the Human Matrix Metalloproteinase 9*", J. Biol. Chem., 267: 3581-3584 (1992)

EXAMINER	<i>Mark B. Gost</i>	DATE CONSIDERED
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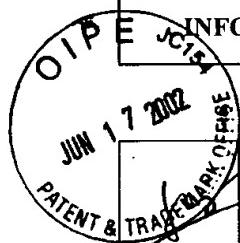
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<i>M</i>	R3	Mecham, R., Broekelmann, T., Fliszar, C., Shapiro, S., Welgus, H., Senior, R., "Elastin Degradation by Matrix Metalloproteinases", J. Biol. Chem., <u>272</u> : 18071-18076 (1997) 9
<i>S</i>	R4	Winyard, P., Zhang, Z., Chidwick, K., Blake, D., Carrell, R., Murphy, G., "Proteolytic Inactivation of Human α_1 Antitrypsin by Human Stromelysin", FEBS Letts., <u>279</u> : 91-94 (1991) 10
<i>M</i>	R5	Gronski, T., Martins, R., Kobayashi, D., Walsh, B., Holman, M., Huber, M., Van Wart, H., Shapiro, S., "Hydrolysis of a Broad Spectrum of Extracellular Matrix Proteins by Human Macrophage Elastase*", J. Biol. Chem., <u>272</u> : 12189-12194 (1997) 11
<i>V</i>	R6	Shipley, J., Wesselschmidt, R., Kobayashi, D., Ley, T., Shapiro, S., "Metalloelastase is Required for Macrophage-mediated Proteolysis and Matrix Invasion in Mice", Proc. Natl. Acad. Sci. USA, <u>93</u> : 3942-3946 (1996) 12
<i>V</i>	R7	Hautamaki, R., Kobayashi, D., Senior, R., Shapiro, S., "Requirement for Macrophage Elastase for Cigarette Smoke-induced Emphysema in Mice", Science, <u>277</u> : 2002-2004 (1997) 13
<i>V</i>	R8	Finlay, G., Russell, K., McMahon, K., D'arcy, E., Masterson, J., FitzGerald, M., O'Connor, C., "Elevated Levels of Matrix Metalloproteinases in Bronchoalveolar Lavage Fluid of Emphysematous Patients", Thorax, <u>52</u> : 502-506 (1997) 14
<i>V</i>	R9	Uppaluri, R., Mitsa, T., Sonka, M., Hoffman, E., McLennan, G., "Quantification of Pulmonary Emphysema from Lung Computed Tomography Images", Am. J. Resp. Crit. Care Med., <u>156</u> : 248-254 (1997) 15
<i>V</i>	R10	Riccobono, L., Bonanno, A., Mirabelle, A., Capony, F., Profita, M., Vignola, A., Bonsignore, G., "Evaluation of Metalloproteases-9 (MMP-9) in Induced Sputum from Controls, Asthmatics and Chronic Bronchitics", Eur. Resp. J., <u>10</u> : (1997) 16
<i>V</i>	R11	Sepper, R., Konttinen, Y., Ding, Y., Takagi, M., Sorsa, T., "Human Neutrophil Collagenase (MMP-8), Identified in Bronchiectasis BAL Fluid, Correlates With Severity of Disease", Chest, <u>107</u> : 1641-1647 (1995) 17
<i>V</i>	R12	Sepper, R., Konttinen, Y., Buo, L., Eklund, K., Lauhio, A., Sorsa, T., Tschesche, H., Aasen, A., Sillastu, H., "Potentiative Effects of Neutral Proteinases in an Inflamed Lung: Relationship of Neutrophil Procollagenase (proMMP-8) to Plasmin, Cathepsin G and Tryptase in Bronchiectasis In Vivo", Eur. Resp. J., <u>10</u> : 2788-2793 (1997) 18
<i>V</i>	R13	Delacourt, C., Le Bourgeois, M., D'Ortho, M., Doit, C., Scheinmann P., Navarro, J., Harf, A., Hartmann, J., Lafuma, C., "Imbalance Between 95 kDa Type IV Collagenase and Tissue Inhibitor of Metalloproteinases in Sputum of Patients with Cystic Fibrosis", Am. J. Resp. Crit. Care Med., <u>152</u> : 765-774 (1995) 19

EXAMINER	<i>Melvin B. Schlesinger</i>	DATE CONSIDERED
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		JUN 19 2002			



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R14	Power, C., O'Connor, C., MacFarlane, D., O'Mahoney, S., Gaffney, K., Hayes, J., Fitzgerald, M., "Neutrophil Collagenase in Sputum from Patients with Cystic Fibrosis", Am. J. Resp. Crit. Care Med., <u>150</u> : 818-822 (1994) <i>20</i>
R15	Shute, J., Parmar, J., Holgate, S., Howarth, P., "Urinary Glycosaminoglycan Levels Are Increased in Acute Severe Asthma – a Role for Eosinophil-Derived Gelatinase B?", Int. Arch. Allergy Immunol., <u>113</u> : 366-367 (1997) <i>21</i>
R16	Ohno, I., Ohtani, H., Nitta, Y., Suzuki, J., Hoshi, H., Honma, M., Isoyama, S., Tanno, Y., Tamura, G., Yamauchi, K., Nagura, H., Shirato, K., "Eosinophils as a Source of Matrix Metalloproteinase-9 in Asthmatic Airway Inflammation", Am. J. Resp. Cell. Mol. Biol., <u>16</u> : 212-219 (1997) <i>22</i>
R17	Mautino, G., Oliver, N., Chanez, P., Bousquet, J., Capony, F., "Increased Release of Matrix Metalloproteinase-9 in Bronchoalveolar Lavage Fluid and by Alveolar Macrophages of Asthmatics", Am. J. Resp. Cell. Mol. Biol., <u>17</u> : 583-591 (1997) <i>23</i>
R18	Okada, S., Kita, H., George, T., Gleich, G., Leiferman, K., "Migration of Eosinophils Through Basement Membrane Components In Vitro: Role of Matrix Metalloproteinase-9", Am. J. Resp. Cell. Mol. Biol., <u>17</u> : 519-528 (1997) <i>24</i>
R19	Delclaux, C., D'Ortho, M., Delacourt, C., Lebargy, F., Brun-Buisson, C., Brochard, L., Lemaire, F., Lafuma, C., Harf, A., "Gelatinases in Epithelial Lining Fluid of Patients with Adult Respiratory Distress Syndrome", Am. J. Physiol., <u>272</u> : L442-L451 (1997) <i>25</i>
R20	Barnes, P., "Chronic Obstructive Pulmonary Disease: New Opportunities for Drug Development", Trends in Pharma. Sci., Elsevier Sci. Ltd., <u>19</u> : 415-423 (1998) <i>26</i>
R21	Wehr, A., "Proteasehemmer-Nicht Nur Bei AIDS Wirksam", DMW, <u>123</u> : a9-a10 (1998) <i>27</i>
R22	Ricou, B., Nicod, L., Lacraz, S., Welgus, H., Suter, P., Dayer, J., "Matrix Metalloproteinases and TIMP in Acute Respiratory Distress Syndrome", Am. J. Resp. Crit. Care Med., <u>154</u> : 346-352 (1996) <i>28</i>

EXAMINER <i>Smith, Barbara</i>	DATE CONSIDERED <i>4/30/03</i>
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